

Datasheet for ABIN7170310
anti-SSTR2 antibody (AA 304-369) (Biotin)



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Overview

Quantity:	100 µg
Target:	SSTR2
Binding Specificity:	AA 304-369
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SSTR2 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Somatostatin receptor type 2 protein (304-369AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SSTR2
Alternative Name:	SSTR2 (SSTR2 Products)
Background:	Background: Receptor for somatostatin-14 and -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine

Target Details

phosphatase and PLC via pertussis toxin insensitive as well as sensitive G proteins. Inhibits calcium entry by suppressing voltage-dependent calcium channels. Acts as the functionally dominant somatostatin receptor in pancreatic alpha- and beta-cells where it mediates the inhibitory effect of somatostatin-14 on hormone secretion. Inhibits cell growth through enhancement of MAPK1 and MAPK2 phosphorylation and subsequent up-regulation of CDKN1B. Stimulates neuronal migration and axon outgrowth and may participate in neuron development and maturation during brain development. Mediates negative regulation of insulin receptor signaling through PTPN6. Inactivates SSTR3 receptor function following heterodimerization.

Aliases: Somatostatin receptor type 2 antibody, SRIF-1 antibody, SRIF1 antibody, SS-2-R antibody, SS2-R antibody, SS2R antibody, SSR2_HUMAN antibody, SST2 antibody, SSTR2 antibody

UniProt: [P30874](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.